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Ba Tu Truong, Svetha Venkatesh

February 2007

**Transactions on Multimedia Computing, Communicati**

Volume 3 Issue 1

**Publisher:** ACM [Request Permissions](#)

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The demand for various multimedia applications is rapidly increasing due to computing and network infrastructure, together with the widespread use of multimedia as the key elements for the success of these ...

**Keywords:** Video summarization, keyframe, survey, video abstraction,2 [High-bandwidth data dissemination for large-scale distributed system](#)

Dejan Kostic, Alex C. Snoeren, Amin Vahdat, Ryan Braud, Charles Killian, J Adolfo Rodriguez, Erik Vandekieft

February 2008 **Transactions on Computer Systems (TOCS)**, Volume 26 Is**Publisher:** ACM [Request Permissions](#)

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This article focuses on the multireceiver data dissemination problem. In order to efficiently supporting such distribution. More recently, overlay networks have been used for multipoint communication. Both ...

**Keywords:** Bandwidth, overlays, peer-to-peer3 [Product and project challenges in electronic commerce software development](#)

Alan R. Hevner, Rosann W. Collins, Monica J. Garfield

December 2002 **SIGMIS Database**, Volume 33 Issue 4**Publisher:** ACM

Full text available: Pdf (271.70 KB)

Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 104, Downlo

Electronic commerce (E-commerce) software development organization: rapidly changing markets, demanding customers with ill-defined requirements, the need for coordination between product line development and customer ...


**Keywords:** electronic commerce, product-lines, project management, s**ADVANCED SEARCH** [Advanced Search](#)**FEEDBACK**

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development process, software engineering

#### 4 LUSTER: wireless sensor network for environmental research

 L. Selavo, A. Wood, Q. Cao, T. Sookoor, H. Liu, A. Srinivasan, Y. Wu, W. K. November 2007 **SenSys '07: Proceedings of the 5th international conference on sensor networks, systems, and applications**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (668.35 KB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 217, Downloads (24 Months): 100

Environmental wireless sensor network (EWSN) systems are deployed in environments where inevitable node and communication failures must be tolerated. Shrub Thicket for Environmental Research---is a system ...

**Keywords:** LiteTDMA, architecture, environmental science, implementation, validation, wireless sensor network

#### 5 Flexible on-device service object replication with replets

 Dong Zhou, Naveem Islam, Ali Ismael May 2004 **WWW '04: Proceedings of the 13th international conference on World Wide Web**

**Publisher:** ACM

Full text available:  Pdf (887.11 KB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 28, Downloads (24 Months): 10


An increasingly large amount of Web applications employ service object and personalized content. Existing caching infrastructures are not well suited for mobile environments because of disconnection ...

**Keywords:** capability, preference, reconfiguration, replication, service, stateful

#### 6 Myriad: scalable VR via peer-to-peer connectivity, PC clustering, and

 Benjamin Schaeffer, Peter Brinkmann, George Francis, Camille Goudeseune November 2005 **VRST '05: Proceedings of the ACM symposium on Virtual Reality Software Technology**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (3.46 MB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 23, Downloads (24 Months): 10


Distributed scene graphs are important in virtual reality, both in collaborative and cluster rendering. In Myriad, individual scene graphs form a peer-to-peer network that exchanges scene graph updates and create flexible ...

**Keywords:** PC cluster, peer-to-peer, virtual environments

#### 7 Automatic temporal layout mechanisms revisited

 M. Cecelia Buchanan, Polle T. Zellweger February 2005 **Transactions on Multimedia Computing, Communications, and Applications** Volume 1 Issue 1

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (1.09 MB)

Additional Information: [full citation](#), [abstract](#)


**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 66, Downloads (24 Months): 10

A traditional static document has a spatial layout that specifies where objects are placed. multimedia documents incorporate time, they also require a temporal layout

events in the document occur. ...


**Keywords:** Multimedia documents, multimedia authoring, temporal for

## 8 Facial modeling and animation

 Jörg Haber, Demetri Terzopoulos

August 2004 **SIGGRAPH '04: SIGGRAPH 2004 Course Notes**

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (18.15 MB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 75, Downloads (12 Months): 886, Downl

In this course we present an overview of the concepts and current tech  
We introduce this research area by its history and applications. As a nec  
data acquisition is discussed ...


## 9 Distributed musical performances: Architecture and stream manager

 Roger Zimmermann, Elaine Chew, Sakire Arslan Ay, Moses Pavar

May 2008 **Transactions on Multimedia Computing, Communication**

Volume 4 Issue 2

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (1.27 MB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 99, Downloa

An increasing number of novel applications produce a rich set of differer  
efficiently and coherently. In this article we present our experience with  
management infrastructure for a ...

**Keywords:** Distributed immersive performance, multimedia storage, m  
musical performance

## 10 AVIO: detecting atomicity violations via access interleaving invariant

 Shan Lu, Joseph Tucek, Feng Qin, Yuanyuan Zhou

November 2006 **ASPLOS-XII: Proceedings of the 12th international confer**  
programming languages and operating systems

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (394.45 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 166, Downl

Concurrency bugs are among the most difficult to test and diagnose of  
technology trend worsens this problem. Most previous concurrency bug  
subclass, data races, and neglects many other ...

**Keywords:** atomicity violation, bug detection, concurrency bug, concur  
program invariant


Also published in:

October 2006 **SIGOPS Operating Systems Review** Volume 40 Issue 5

October 2006 **SIGARCH Computer Architecture News** Volume 34 Issue 5

November 2006 **SIGPLAN Notices** Volume 41 Issue 11

## 11 The mechanics of in-kernel synchronization for a scalable microkern

 Volkmar Uhlig

July 2007 **SIGOPS Operating Systems Review**, Volume 41 Issue 4

**Publisher:** ACMFull text available:  Pdf (367.89 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 98, Downloads


Systems with minimal kernels address the problem of ever-increasing separation of resource permission management and resource policies in system structure has found wide attention ...

**12** [Replication requirements in mobile environments](#)


David Ratner, Peter Reiher, Gerald J. Popek, Geoffrey H. Kuenning

November 2001 **Mobile Networks and Applications**, Volume 6 Issue 6**Publisher:** Kluwer Academic PublishersFull text available:  Pdf (162.59 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 36, Downloads

Replication is extremely important in mobile environments because non-important data. However, today's replication systems are not "mobile-re-user's environment, the replication system ...


**Keywords:** file systems, mobile computing, replication**13** [Creating music videos using automatic media analysis](#) Jonathan Foote, Matthew Cooper, Andreas GirgensohnDecember 2002 **MULTIMEDIA '02: Proceedings of the tenth ACM international****Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (1.19 MB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 76, Downloads

We present methods for automatic and semi-automatic creation of music soundtrack and source video. Significant audio changes are automatically is automatically segmented and analyzed ...

**Keywords:** audio analysis, music video, video analysis, video editing**14** [Spatial join techniques](#) Edwin H. Jacox, Hanan SametMarch 2007 **Transactions on Database Systems (TODS)**, Volume 32 Issue**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (1.24 MB)Additional Information: [full citation](#), [appendix](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 316, Downloads

A variety of techniques for performing a spatial join are reviewed. Instead of presenting each technique in its entirety, distinct components of the join each is decomposed into an ...

**Keywords:** External memory algorithms, plane-sweep, spatial join

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